

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-1012

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the following General Motors Corporation 2001 model-year diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

<u>Engine Family</u>	<u>Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
1GMXH06.5521 (L65)	6.5 (395)	Turbocharger Powertrain Control Module Oxidation Catalytic Converter Indirect Fuel Injection

Engine models and codes are listed on attachments.

The following are the certification exhaust emission standards for this engine family in grams per brake-horsepower-hour:

<u>Total Hydrocarbon</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
1.3	15.5	4.0	0.10

The following are the certification exhaust emission values for this engine family in grams per brake-horsepower-hour:

<u>Engine Family</u>	<u>Total Hydrocarbon</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
1GMXH06.5521	0.1	1.2	3.5	0.07

Engine Model Summary Form

Manufacturer: General Motors Corporation

Engine category: On-highway HDDE

EPA Engine Family: 1GMXH06.5521

Mfr Family Name: N/A

Process Code: New Submission

1. Engine Code	2. Engine Model	3. BHP@RPM (SAE Gross)	4. Fuel Rate: mm/stroke @ peak HP (for diesel only)	5. Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6. Torque @ RPM (SEA Gross)	7. Fuel Rate: mm/stroke@peak torque	8. Fuel Rate: (lbs/hr)@peak torque	9. Emission Control Device Per SAE J1930
2	L65	190@3400*	63.6	95.8	385@1800*	66.9	50.5	OC,TC,PCM,IFI
3	L65	195@3400*	63.1	95.1	430@1800*	76.9	58.0	OC,TC,PCM,IFI
4	L65	195@3400*	63.1	95.1	420@1800*	72.9	54.3	OC,TC,PCM,IFI
5	L65	195@3400*	63.6	95.9	430@1800*	76.9	58.0	OC,TC,PCM,IFI

SAE NET

(EO No. A-6-1012)